YUHAO (HENRY) ZHOU

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EDUCATION

University of Toronto, Canada *Sep. 2014 - Present*
Bachelor of Applied Science Cumulative GPA: 3.91/4.00
Specialist in Electrical and Computer Engineering with Robotics Minor
Awards: Dean's List, CVPR Travel Grant, Summer Research Grant
Graduate level courses: Machine learning, Inference algorithm, Computer graphics, Robotics control

RESEARCH EXPERIENCE

University of Toronto May 2018 - Present
Capstone Research *Advisor: Prof. **Stark Draper***
· Designed and implemented distributed machine learning optimization method using AWS Lambda service.
· Benchmarked and designed gesture classifier on surface electromyography (sEMG) data for real-time processing.

University of Toronto, Vector Institute January 2018 - September 2018
Research Assistant *Advisor: Prof. **Sanja Fidler**, Prof. **Jimmy Ba***
· Proposed using graphs to model RL agent and designed methods for modifying graphs for efficient search.
· Designed visualization of the progress of genetic algorithms by evolution progress and genealogy tree.
· Improved graph network for efficiently learning forward dynamics and discriminating graph isomorphism.

University of Toronto January 2017 - November 2017
Research Assistant *Advisor: Prof. **Sanja Fidler***
· Led the project in semantic classification and detection of physical interactions, such as splash, in movies.
· Proposed and designed multi-modal neural networks for processing visual and acoustic features.
· Researched and trained deep neural networks on various audio and video datasets such as SoundNet.

PUBLICATION

· T. Wang*, **Y. Zhou***, S. Fidler, J. Ba. *Neural Graph Evolution: Automatic Robot Design* (Submitted to *International Conference on Learning Representations'19*)
· **Y. Zhou**, M. Tapaswi, S. Fidler. *Now You Shake Me: Towards Automatic 4D Cinema* (**Spotlight** in *Computer Vision and Pattern Recognition'18*)

INDUSTRY EXPERIENCE

Intel Corp. May 2017 - December 2017
Software Engineering Intern *San Jose, CA*
· Led the project of cross-version compilation of user designs in Quartus synthesizing team.

Oracle Corp. June 2015 - July 2015
R&D Intern *Beijing, China*
· Organized and managed cloud computing resources for R&D department in Cloud Computing team.

Huawei Technologies May 2015 - June 2015
Software Engineering Intern *Beijing, China*
· Transplanted automated testing scripts for testing of Ascend Series in Automated Testing team.